
		Recommended Program of Study for: <b>Heating, Ventilation, Air Conditioning &amp; Refrigeration</b>							
Career Cluster: Architecture & Construction				Career Pathway: Maintenance/Operations					
9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade		Postsecondary	
English I		English II		English III		English IV		College of Southern Nevada Great Basin College Nevada State College Truckee Meadows Community College University of Nevada, Las Vegas University of Nevada, Reno Western Nevada College	
Algebra I		Geometry I		Algebra II		Senior Level Math Course			
Biology		Chemistry or Geoscience		Junior Level Science Course		Elective <sup>1</sup>			
Health / Computer Literacy		World History		US History		US Government			
Physical Education		Physical Education		Foreign Language <sup>2</sup> or Elective <sup>1</sup>		Foreign Language <sup>2</sup> or Elective <sup>1</sup>			
Air Conditioning and Refrigeration I		Air Conditioning and Refrigeration II		Air Conditioning and Refrigeration III <sup>3</sup>		Air Conditioning and Refrigeration Advanced Studies		Career and Technical Student Organizations	
Work-Based Learning		Secondary		-- Articulation --			Postsecondary		
Job Shadowing Internship / Work Experience Career Day / Fair Field Trips / Guest Speakers		Air Conditioning and Refrigeration I Air Conditioning and Refrigeration II Air Conditioning and Refrigeration III		(subject to change)					SkillsUSA
CTE Assessments <sup>3</sup>		Available Industry Certifications					High Wage - High Skill - High Demand Careers <sup>4</sup>		
-End of Program Technical Assessment for Heating, Ventilation, Air Conditioning and Refrigeration -Workplace Readiness Skills Assessment (for Employability Skills Standards)		Certification H.E.A.T AHRI Certifications CareerSafe		Provider HVAC Excellence Air-conditioning, Heating and Refrigeration Institute (AHRI) OSHA			Heating, Ventilation, Air Conditioning and Refrigeration Mechanic Heating, Ventilation, Air Conditioning and Refrigeration Installer		

This Program of Study is based upon the requirements needed for an Advanced Diploma. Academic course names may vary among school districts. All students must pass the high school proficiency exams to qualify for any high school diploma.

<sup>1</sup> Electives may include arts and humanities courses or other career and technical education courses that relate to the program of study.

<sup>2</sup> Foreign Language courses are recommended if a student is planning on entering a university. (See individual university admission policies)

<sup>3</sup> CTE Assessments will be administered during the completion level CTE course.

<sup>4</sup> For additional career and employment information visit <http://www.nvcis.intocareers.org/> and <http://www.NevadaYouth.org>

*The State of Nevada Department of Education is an equal opportunity/affirmative action agency and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity or expression, age, disability, or national origin.*